

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A television headend for delivery of television channels to a plurality of subscriber televisions and comprising:

a web content server located at the television headend and including:

~~a generator to generate a first browser instance displaying a first set of web pages and at least a second browser instance displaying at least a second set of web pages;~~

~~a controller to control the first browser instance and the at least second browser instance to periodically capture images corresponding with the first set of web pages and the at least a second set of web pages;~~

- a browser application including at least one instance of the browser application displaying a web page;
- an image capture module coupled to the at least one instance of the browser application to capture successive images of the web page displayed thereby; and
- ~~a an image compressor coupled to said controller to compress the periodically captured successive images corresponding to one of the first browser instance and the at least second browser instance; and captured by the image capture module from the at least one instance of the browser application for delivery to the plurality of subscriber televisions as a corresponding television channel.~~

~~a multiplexer for multiplexing the compressed images for delivery to the subscriber.~~

Claim 2 (Currently Amended): The television headend of ~~Claim 1~~, wherein the first set of web pages includes a master web page with a persistent page portion and a cyclic portion for a cyclic display of a cyclic set of web pages. the web content server further comprises:

- setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and a reload interval defining for each instance a corresponding interval for reloading a web page identified by the starting URL;
- a generator coupled to the setup records and configured to generate a corresponding browser instance from each setup record including a loading of a web page identified by the starting URL in the corresponding setup record; and
- a controller coupled to the setup records and to each browser instance generated by the generator to control the reload interval for each browser instance to conform with the reload interval in the corresponding setup record.

Claim 3 (Currently Amended): The television headend of ~~Claim 2~~, wherein the periodically captured images corresponding with the first set of web pages include images of the cyclic set of web pages. web content server further comprises:

- setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and an image capture interval for converting web pages displayed by each instance of the browser application to a corresponding succession of images displayed on the corresponding television channel;

- a generator coupled to the setup records and configured to generate a corresponding browser instance from each setup record including a loading of a web page identified by the starting URL in the corresponding setup record; and
- a controller coupled to the setup records and the image capture module and configured to control the image capture interval of the image capture module to conform with the image capture interval in the corresponding setup record.

Claim 4 (Currently Amended): ~~The television headend of Claim 2 1, with the cyclic portion of the master web page targeted by each browser instance defined with a floating frame markup language tag element.~~ wherein the web content server further comprises:

- setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and a channel bitrate parameter corresponding with at least one of an image quality and refresh frequency of the succession of images compressed by the image compressor from a corresponding instance of the browser application;
- a generator coupled to the setup records and configured to generate a corresponding browser instance from each setup record including a loading of a web page identified by the starting URL in the corresponding setup record; and
- a controller coupled to the setup records and the image compressor module and configured to control at least one of the image quality and the refresh frequency of the succession of images compressed by the image compressor to conform with the channel bitrate parameter in the corresponding setup record.

Claim 5 (Currently Amended): ~~The television headend of Claim 4 1 with the floating frame markup language tag element comprises an <IFRAME> tag element.~~ wherein the web page displayed by the at least one instance of the browser application includes:

- at least one frame portion; and
- a script which identifies a set of web pages and a corresponding upload interval for each of the web pages in the set; and the script executable by the at least one instance of the browser application to sequentially upload each of the web pages identified in the set into the at least one frame portion for capture by the image capture module and subsequent display on the corresponding selectable television channel.

Claim 6 (Currently Amended): The television headend of ~~Claim 1~~, wherein the ~~persistent page portion includes script interpreted by the first browser instance to effect the cyclic display of the cyclic set of web pages~~. web content server further comprises:

- the browser application at least one instance includes a first browser instance and a second browser instance each displaying a corresponding web page; and
- a multiplexer with inputs coupled to the image compressor and an output for multiplexing corresponding images from the first and second browser instances onto a single analog television channel as discrete digital television channels.

Claim 7 (Currently Amended): The television headend of ~~Claim 1~~, wherein the web content server further comprising comprises:

- a database:

~~an administrative module coupled to said controller and said generator and said administrative module providing graphical user interfaces to a user to setup browser instances and to store corresponding control parameters for each of the browser instances including the first browser instance and the at least second browser instance. providing graphical user interfaces to input and update setup records in the database with each setup record including at least: a starting uniform resource locator (URL), a television channel identifier and a~~

reload interval defining for each instance a corresponding interval for reloading a web page identified by the starting URL; and

- a controller coupled to the database and to each browser instance generated by the generator to control the reload interval for each browser instance to conform with the reload interval in the corresponding setup record in the database.

Claim 8 (Currently Amended): The television headend of ~~Claim 7 1~~, wherein the ~~control parameters setup via said administrative module include at least one of:~~ ~~a reload interval and a capture interval;~~ ~~to govern the interval at which the controller periodically captures images.~~ the web content server further comprises:

- a database;
- an administrative module providing graphical user interfaces to input and update setup records in the database with each setup record including at least: a starting uniform resource locator (URL), a television channel identifier and an image capture interval for converting web pages displayed by each instance of the browser application to a corresponding succession of images displayed on a television channel; and
- a controller coupled to the database and the image capture module and configured to control the image capture interval of the image capture module to conform with the image capture interval in each corresponding setup record in the database.

Claim 9 (Currently Amended): The television headend of ~~Claim 7 1~~, wherein ~~control parameters setup via said administrative module include a channel bitrate governing the image quality and refresh frequency for the images periodically captured by the controller.~~ the web content server further comprises:

- a database;
- an administrative module providing graphical user interfaces to input and update setup records in the database with each setup record including at least: a starting uniform resource locator (URL), a television channel identifier and a channel bitrate parameter corresponding with at least one of an image quality and a refresh frequency of the succession of images compressed by the image compressor from a corresponding instance of the browser application; and
- a controller coupled to the database and the image compressor module and configured to control at least one of the image quality and the refresh frequency of the succession of images compressed by the image compressor to conform with the channel bitrate parameter in the corresponding setup record in the database.

Claim 10 (Currently Amended): A method for delivery of television channels from a television headend to a plurality of subscriber televisions and the method comprising:

- generating a first browser instance displaying a first set of web pages and at least a second browser instance displaying at least a second set of web pages at least one instance of a browser application displaying a web page;
~~determining for the first browser instance and the at least second browser instance corresponding intervals for updating images corresponding with the first set of web pages and the at least a second set of web pages;~~
- capturing a succession of corresponding with the first set of web pages and the at least a second set of web pages at the corresponding intervals determined in said act of determining, images of the web page displayed by the at least one instance of the browser application generated in the generating act;

- compressing the periodically captured successive images corresponding with one of the first browser instance and the at least second browser instance captured in the capturing act; and
multiplexing the periodically captured images for delivery to the subscriber televisions.
- delivering the succession of images compressed in the compressing act to the plurality of subscriber televisions as a corresponding television channel.

Claim 11 (Currently Amended): The method of ~~claim 10~~, wherein the first set of web pages generated in said generating act includes a master web page with a persistent page portion and a cyclic portion.

further comprising:

- providing setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and a reload interval defining for each instance a corresponding interval for reloading a web page identified by the starting URL;
- generating a corresponding browser instance from each setup record provided in the providing act; and
- reloading the web page identified by the starting URL in the corresponding setup record into each corresponding browser instance generated in the second generating act at intervals corresponding with the reload interval in the corresponding setup record provided in the providing act.

Claim 12 (Currently Amended): The method of ~~claim 11~~, further comprising:

~~cyclically displaying a cyclic set of web pages in the cyclic portion of the master web page.~~

- providing setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and an image capture interval for converting web pages displayed by each instant of the browser application to a corresponding succession of images displayed on the corresponding television channel;
- loading the web page identified by the starting URL in the corresponding setup record provided in the providing act into the at least one browser instance generated in the generating act; and
- capturing the succession of images of the web page loaded in the loading act at intervals corresponding with the reload interval in the corresponding setup record provided in the providing act.

Claim 13 (Currently Amended): The method of ~~Claim 12 10~~, ~~wherein the images corresponding with the first set of web pages in said controlling act include images of the cyclic set of web pages.~~ further comprising:

- providing setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and a channel bitrate parameter corresponding with at least one of an image quality and refresh frequency of the succession of images compressed in the compressing act from a corresponding instance of the browser application generated in the generating act;
- loading the web page identified by the starting URL in the corresponding setup record provided in the providing act into the at least one browser instance generated in the generating act; and

- compressing the successive images captured in the capturing act to an image quality and/or at a refresh frequency which conforms with the corresponding setup record provided in the providing act.

Claim 14 (Currently Amended): ~~The method of Eclaim 11 10, wherein the persistent page portion of the master web page includes script interpreted by the first browser instance to effect the cyclic display of the cyclic set of web pages. the generating and delivering acts further comprise:~~

- generating a first browser instance and a second browser instance each displaying a corresponding web page; and
- multiplexing each corresponding succession of images compressed in the compressing act from the first and second browser instances generated in the generating act onto a single analog television channel as discrete digital television channels.

Claim 15 (Currently Amended): ~~The method of Eclaim 10, wherein the determining act further comprises comprising:~~

~~providing graphical user interfaces to a user to setup browser instances and to store corresponding control parameters determining the corresponding intervals for updating including at least one of a reload interval and a capture interval, for each of the browser instances including the first browser instance and the at least second browser instance.~~

- managing setup records via graphical user interface forms with each setup record including at least: a starting uniform resource locator (URL), a television channel identifier and a reload interval defining for each instance of the browser application a corresponding interval for reloading a web page identified by the starting URL;

- storing the setup records managed in the managing act in a database;
- generating a corresponding browser instance from each setup record stored in the storing act; and
- reloading the web page identified by the starting URL in the corresponding setup record into each corresponding browser instance generated in the second generating act; at intervals corresponding with the reload interval in the corresponding setup record stored in the act.

Claim 16 (Currently Amended): The method of ~~Claim 10, wherein the determining act further comprises comprising:~~

~~providing graphical user interfaces to a user to setup browser instances and to store corresponding control parameters determining the corresponding intervals for updating including: a channel bitrate parameter governing the image quality and refresh frequency for the images.~~

- managing setup records via graphical user interface forms with each setup record including at least: a starting uniform resource locator (URL), a television channel identifier and an image capture interval for converting web pages displayed by each instance of the browser application to a corresponding succession of images displayed on the corresponding television channel;
- storing the setup records managed in the managing act in a database;
- generating a corresponding browser instance from each setup record stored in the storing act; and
- capturing the succession of images of the web page loaded in the loading act at intervals corresponding with the capture interval in the corresponding setup record stored in the storing act.

Claim 17 (Currently Amended): A means for delivery of ~~cable television channels from a television headend~~ to a plurality of subscriber televisions and the means for delivery comprising:

- means for generating ~~a first browser instance displaying a first set of web pages and at least a second browser instance displaying at least a second set of web pages; at least one instance of a browser application displaying a web page;~~ means for determining for the first browser instance and the at least second browser instance corresponding intervals for updating images corresponding with the first set of web pages and the at least a second set of web pages;
- means for capturing ~~a succession of images corresponding with the first set of web pages and the at least a second set of web pages at the corresponding intervals determined said means for determining; of the web page displayed by the at least one instance of the browser application generated by the means for generating;~~
- means for compressing the successive periodically captured images corresponding to one of the first browser instance and the at least second browser instance ~~captured by the means for capturing;~~ and
- means for delivering the succession of images compressed by the means for compressing to the plurality of subscriber televisions as a corresponding television channel.
~~means for multiplexing the periodically captured images for delivery to the subscriber televisions.~~

Claim 18 (Currently Amended): The means for delivery of ~~claim 17, wherein the first set of web pages generated by said means for generating includes a master web page with a persistent page portion and a cyclic portion. further comprising:~~

- ~~means for providing setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a~~

- starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and a reload interval defining for each instance a corresponding interval for reloading a web page identified by the starting URL;
- means for generating a corresponding browser instance from each setup record provided by the means for providing; and
 - means for reloading the web page identified by the starting URL in the corresponding setup record into each corresponding browser instance generated by the second means for generating at intervals corresponding with the reload interval in the corresponding setup record provided by the means for providing.

Claim 19 (Currently Amended): The means for delivery of ~~Claim 18~~ 17, further comprising:

- means for providing setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and an image capture interval for converting web pages displayed by each instant of the browser application to a corresponding succession of images displayed on the corresponding television channel;
- means for loading the web page identified by the starting URL in the corresponding setup record provided by the means for providing into the at least one browser instance generated by the means for generating; and
- means for ~~cyclically displaying a cyclic set of web pages in the cyclic portion of the master web page. capturing the succession of images of the web page loaded by the means for loading at intervals corresponding with the reload interval in the corresponding setup record provided by the means for providing.~~

Claim 20 (Currently Amended): The means for delivery of ~~Claim 19~~ Claim 17, wherein the images corresponding with the first set of web pages include images of the cyclic set of web pages. further comprising:

- means for providing setup records each corresponding with an instance of the browser application and each including parameters corresponding with at least: a starting uniform resource locator (URL), a television channel identifier of a corresponding television channel and a channel bitrate parameter corresponding with at least one of an image quality and refresh frequency of the succession of images compressed by the means for compressing from a corresponding instance of the browser application generated by the means for generating;
- means for loading the web page identified by the starting URL in the corresponding setup record provided by the means for providing into the at least one browser instance generated by the means for generating; and
- means for compressing the successive images captured by the means for capturing to an image quality and/or at a refresh frequency which conforms with the corresponding setup record provided by the means for providing.

Claim 21 (Currently Amended): The means for generating and the means for delivery of ~~Claim 18~~, wherein the persistent page portion of the master web page includes script interpreted by the first browser instance to effect the cyclic display of the cyclic set of web pages. further comprising:

- means for generating a first browser instance and a second browser instance each displaying a corresponding web page; and
- means for multiplexing each corresponding succession of images compressed by the means for compressing from the first and second browser instance generated by the means for generating onto a single analog television channel as discrete digital television channels.

Claim 22 (Currently Amended): The means for delivery of ~~E~~claim 17, wherein the means for determining further comprises comprising:

~~means for setting up browser instances; and~~

- ~~means for configuring corresponding control parameters for determining the corresponding intervals for updating including at least one of a reload interval and a capture interval, for each of the browser instances including the first browser instance and the at least second browser instance. managing setup records via graphical user interface forms with each setup record including at least: a starting uniform resource locator (URL), a television channel identifier and a reload interval defining for each instance of the browser application a corresponding interval for reloading a web page identified by the starting URL;~~
- means for storing the setup records managed by the means for managing in a database;
- means for generating a corresponding browser instance from each setup record stored by the means for storing; and
- means for reloading the web page identified by the starting URL in the corresponding setup record into each corresponding browser instance generated by the second means for generating; at intervals corresponding with the reload interval in the corresponding setup record stored by the means for storing.

Claim 23 (Currently Amended): The means for delivery of ~~E~~claim 10 17, wherein the determining act further comprises comprising:

~~means for setting up browser instances; and~~

- ~~means for configuring corresponding control parameters for determining the corresponding intervals for updating including: a channel bitrate parameter governing the image quality and refresh frequency for the images. managing setup records via graphical user interface forms with each setup record including~~

at least: a starting uniform resource locator (URL), a television channel identifier and an image capture interval for converting web pages displayed by each instance of the browser application to a corresponding succession of images displayed on the corresponding television channel;

- means for storing the setup records managed by the means for managing in a database;
- means for generating a corresponding browser instance from each setup record stored by the means for storing; and
- means for capturing the succession of images of the web page loaded by the means for loading at intervals corresponding with the capture interval in the corresponding setup record stored by the means for storing.